

## SINGLE LOW BAND ANTENNA MODELS:

- WL 2-4/S
- WL 3-5/S
- WL 4-6/S
- WL 6-FM/S

### LOW BAND ANTENNA

There are four rugged low band models, each engineered to provide optimum performance over the desired band. Pure log periodic design and cantilever mount ensure superior electrical performance and pattern predictability for maximum rejection of interfering signals. A newly designed feed point accepts a standard 75 Ohm CATV housing connector. The use of corrosion resistant materials combines long life with trouble-free, reliable performance.

## SPECIFICATIONS:

### ELECTRICAL

Specification	WL 2-4/S	WL 3-5/S	WL 4-6/S	WL 6-FM/S
FREQUENCY RANGE	54-72 MHz	60-82 MHz	66-88 MHz	82-108 MHz
CHANNELS	2,3&4	3,4&5	4,5&6	6&FM
GAIN	9 dBi	9 dBi	9 dBi	9 dBi
IMPEDANCE	75 Ohm	75 Ohm	75 Ohm	75 Ohm
VSWR	<1.25:1	<1.25:1	<1.25:1	<1.25:1
FR:BK RATIO	>25 dB	>25 dB	>25 dB	>25 dB
POLARIZATION	H or V	H or V	H or V	H or V
H. BEAM WIDTH	60 deg.	60 deg.	60 deg.	60 deg.
V. BEAM WIDTH	90 deg.	90 deg.	90 deg.	90 deg.
SIDE LOBE SUPPRESSION	>30 dB	>30 dB	>30 dB	>30 dB
CONNECTORS**	"F" Connector			
STD. MOUNT	1/2" U-Bolts to Fit 3" O.D. Pipe			

\*Where interfering signals such as co-channel, adjacent channel and ghosting are present, custom arrays can be designed to reduce the level of interference by as much as 40 db in most cases.

A qualified structural engineer should be consulted prior to mounting an antenna on a tower or a support structure.

### WADE Antenna Inc.

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## SPECIFICATIONS:

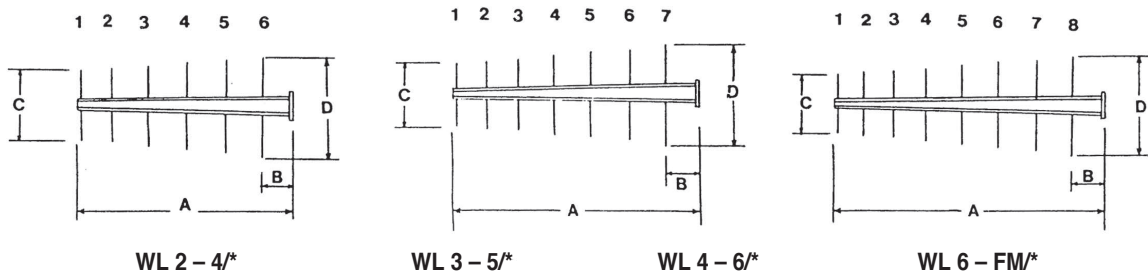
### WIND AND ICE LOADING

Specification	WL 2-4/S	WL 3-5/S	WL 4-6/S	WL 6-FM/S
BOOM LENGTH	144"	144"	128"	137"
WEIGHT (LBS):				
NO ICE*	60	60	56	58
1" RADIAL ICE**	230	230	212	210
WIND LOAD (LBS):				
NO ICE*	120	120	108	112
1" RADIAL ICE**	105	105	92	95
WIND TORQUE (Ft-Lbs):				
NO ICE*	654	654	588	600
1" RADIAL ICE**	508	508	475	450

\*WIND SPEED 100 MPH

\*\*HALF WIND 50 MPH

DIMENSIONS - SEE SINGLE HIGH BAND ANTENNA SPECIFICATIONS.



### OVERALL DIMENSIONS

Specification	WL 2-4/S	WL 3-5/S	WL 4-6/S	WL 6-FM/S
NUMBER OF ELEMENTS	6	7	7	8
BOOM LENGTH	144"	144"	128"	137"
STUB LENGTH	24"	22"	19"	18"
SHORTEST ELEMENT	57"	50"	46"	39"
LONGEST ELEMENT	108"	98"	88"	71"

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